



FEMA



Prepared by
Rob Megnia

FEMA Region 6 Weather Threat Briefing

Tuesday, May 21, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- **Severe thunderstorms possible across E OK, AR, and Arklatex.**
- **Heavy rainfall/flash flooding likely over E OK/NW AR.**

Wednesday

- **Isolated severe storms and heavy rainfall/flash flooding possible over portions of OK, TX, and NM.**

Thursday -Saturday

- **Severe storms possible for the TX/OK Panhandles into W OK on Thursday/Friday.**

Major River Flooding or Known Evacuations

- **Major flooding continues on the MS River at Baton Rouge (SE LA), the Ouachita River at Monroe (N LA), the Neches River near Alto (E TX), and the Trinity River at Liberty (SE TX).**
- **River flooding returns to Central and NE OK.**

FEMA Region 6 Threat Matrix

May 21, 2019 – May 25, 2019



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DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms	AR	E NM TX/OK Panhandle	TX/OK Panhandles NW OK	N OK	
	AR/OK NE TX/NW LA				
Heavy Rain / Flash Flooding	E OK/NW AR	NE OK	N TX Panhandle/W OK		
Fire Weather	S NM/W TX	S NM/W TX			
Tropical Weather					
River Flooding	TX/LA	TX/LA/OK	TX/LA/OK	TX/LA/OK	TX/LA/OK
	AR	AR	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

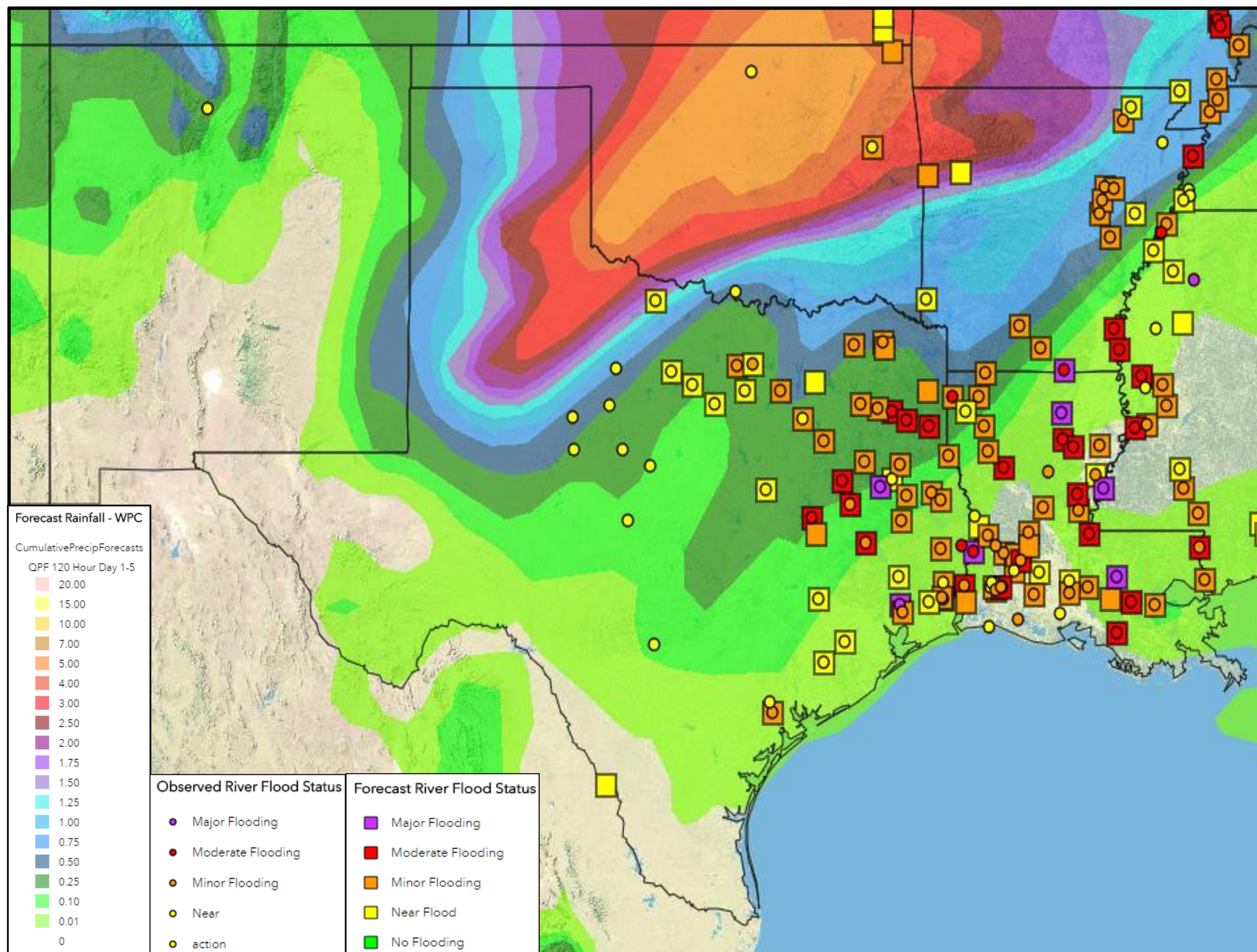
For more details on the colors in the threat matrix refer to the last slide in this briefing.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Points along the MS River in AR and LA remain at moderate/major flood stage.

- **Osceola (NE AR) will remain at moderate flood stage through the middle of next week with many roads under water.**
- **Arkansas City (SE AR) will remain in moderate flood through Tuesday with lowland flooding and flooded roads.**
- **At Baton Rouge, (SE LA), major flooding will continue with mostly navigational impacts.**
- **The Bonnet Carre Floodway is opened to reduce water levels at New Orleans.**

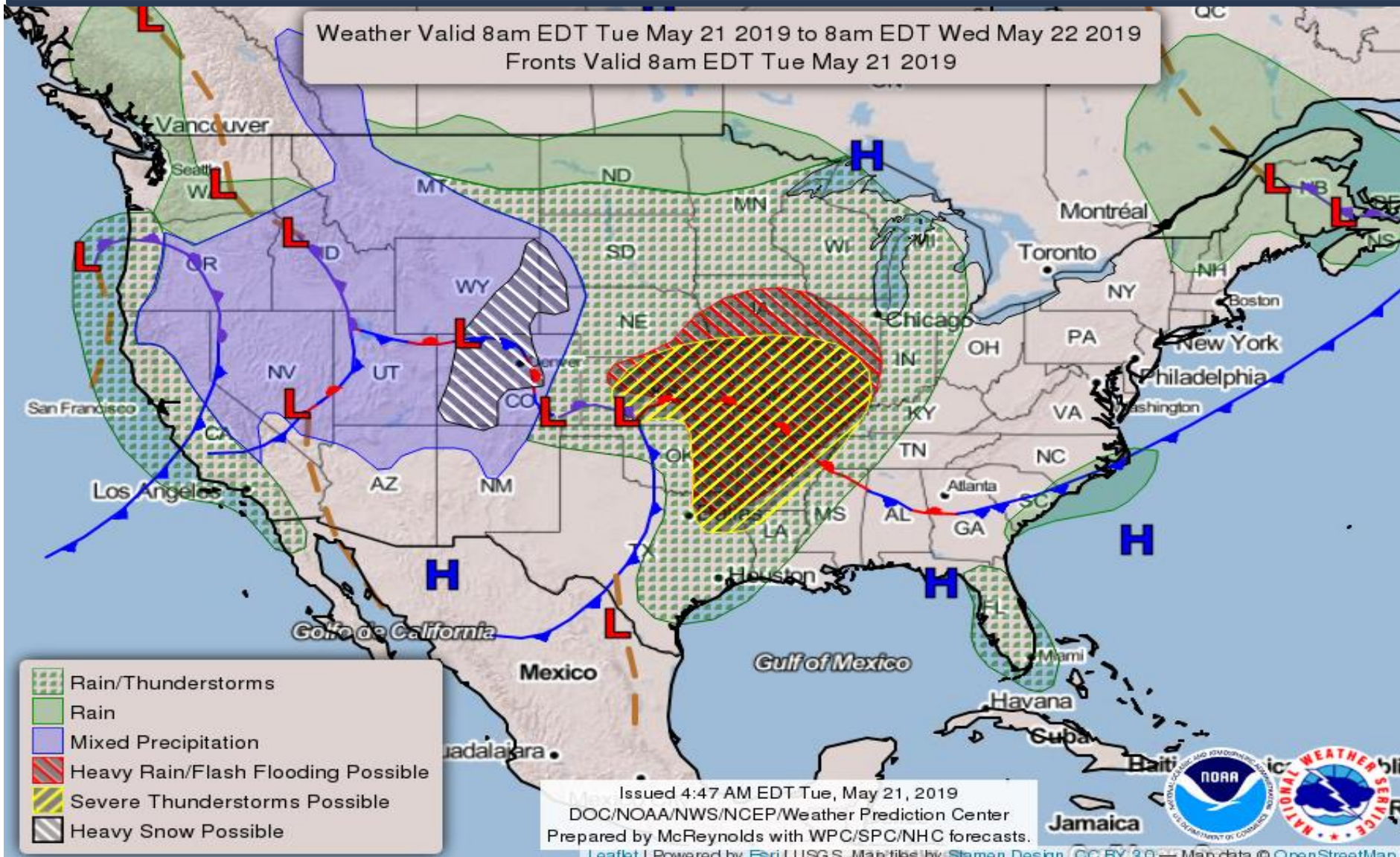
Major flooding also continues on the Ouachita River at Monroe (N LA) and the Neches River Near Alto (E TX). Impacts mostly to roads and agriculture. Trinity River at Liberty has fallen to moderate flood stage where impacts to some residences are still possible.

Today's Weather

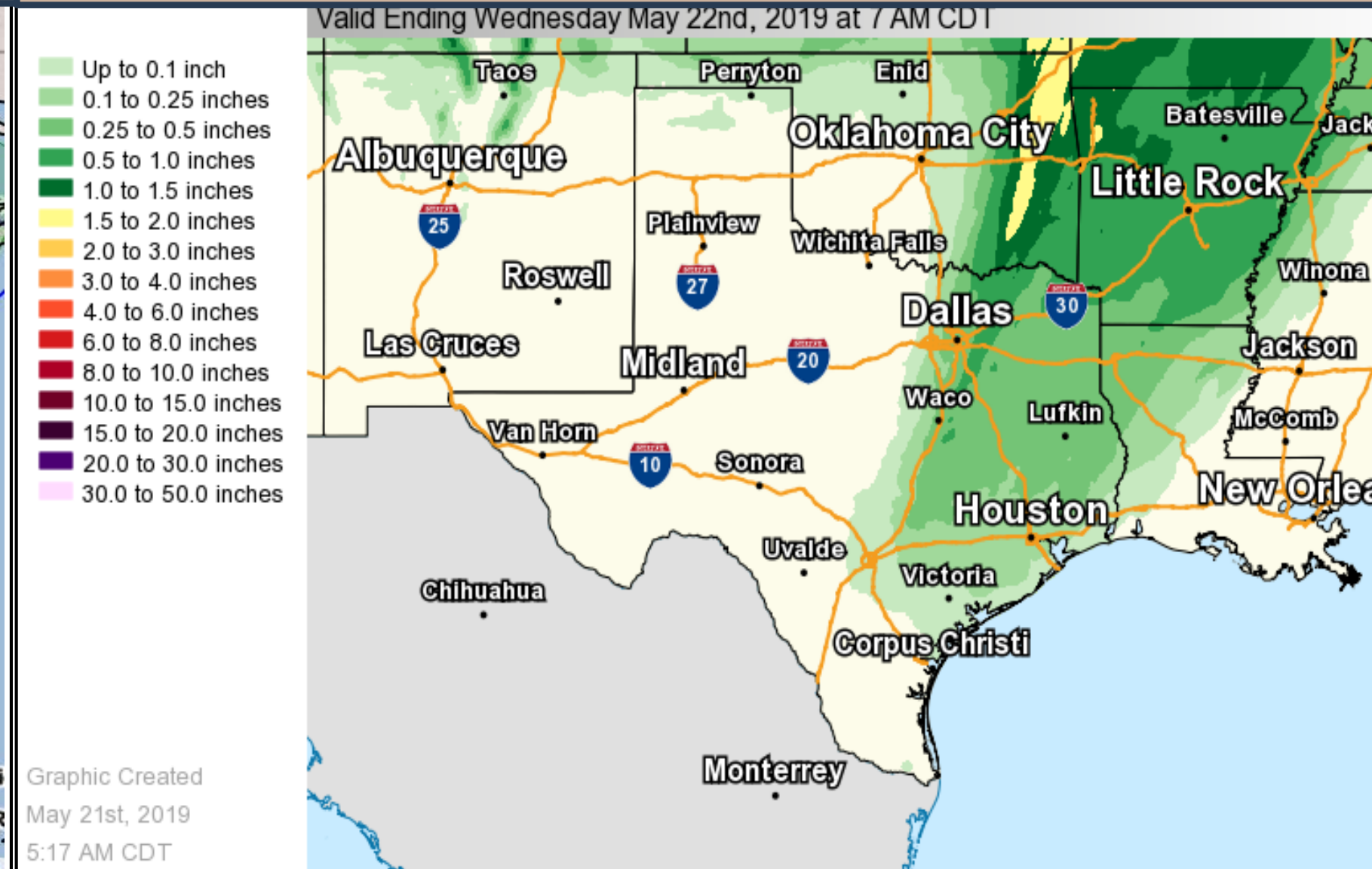


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Forecast Chart



Forecast Rainfall

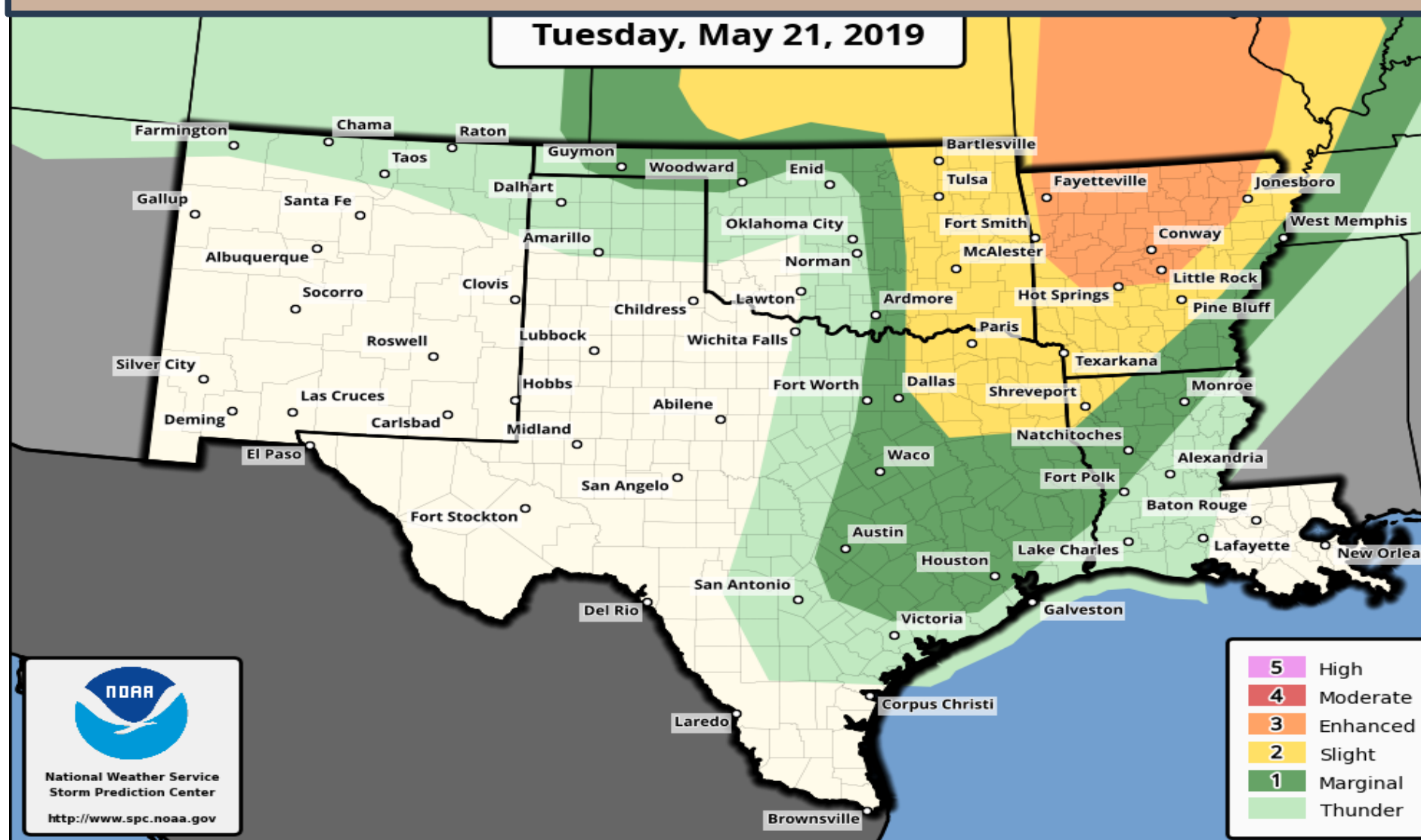


Heavy rainfall/flash flooding likely over portions of E OK/NW AR.

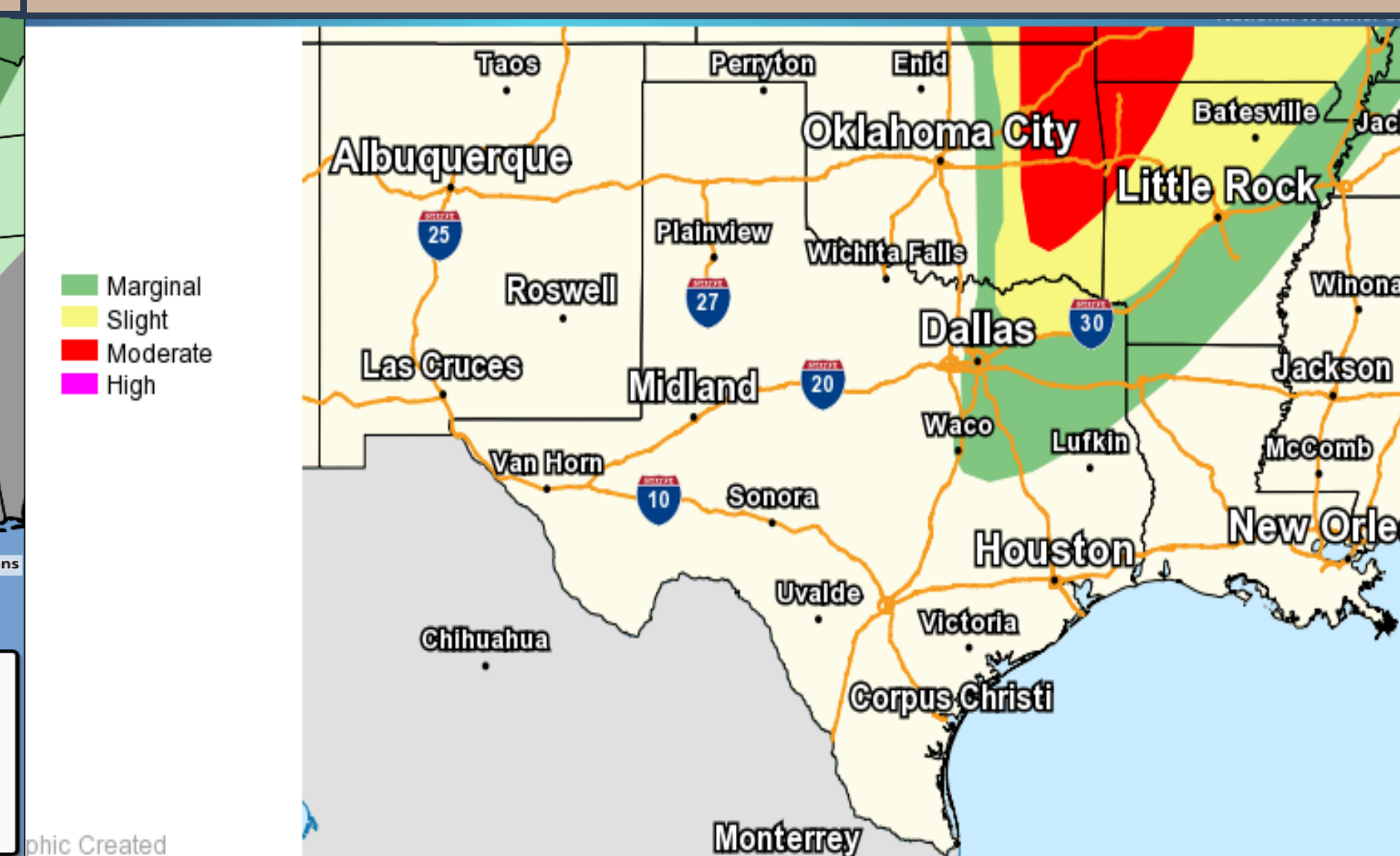
Enhanced risk of severe storms (hail, wind, tornadoes) over AR.

Slight risk of severe storms over OK/AR into NE TX/NW LA.

Severe Weather Outlook



Excessive Rainfall Outlook

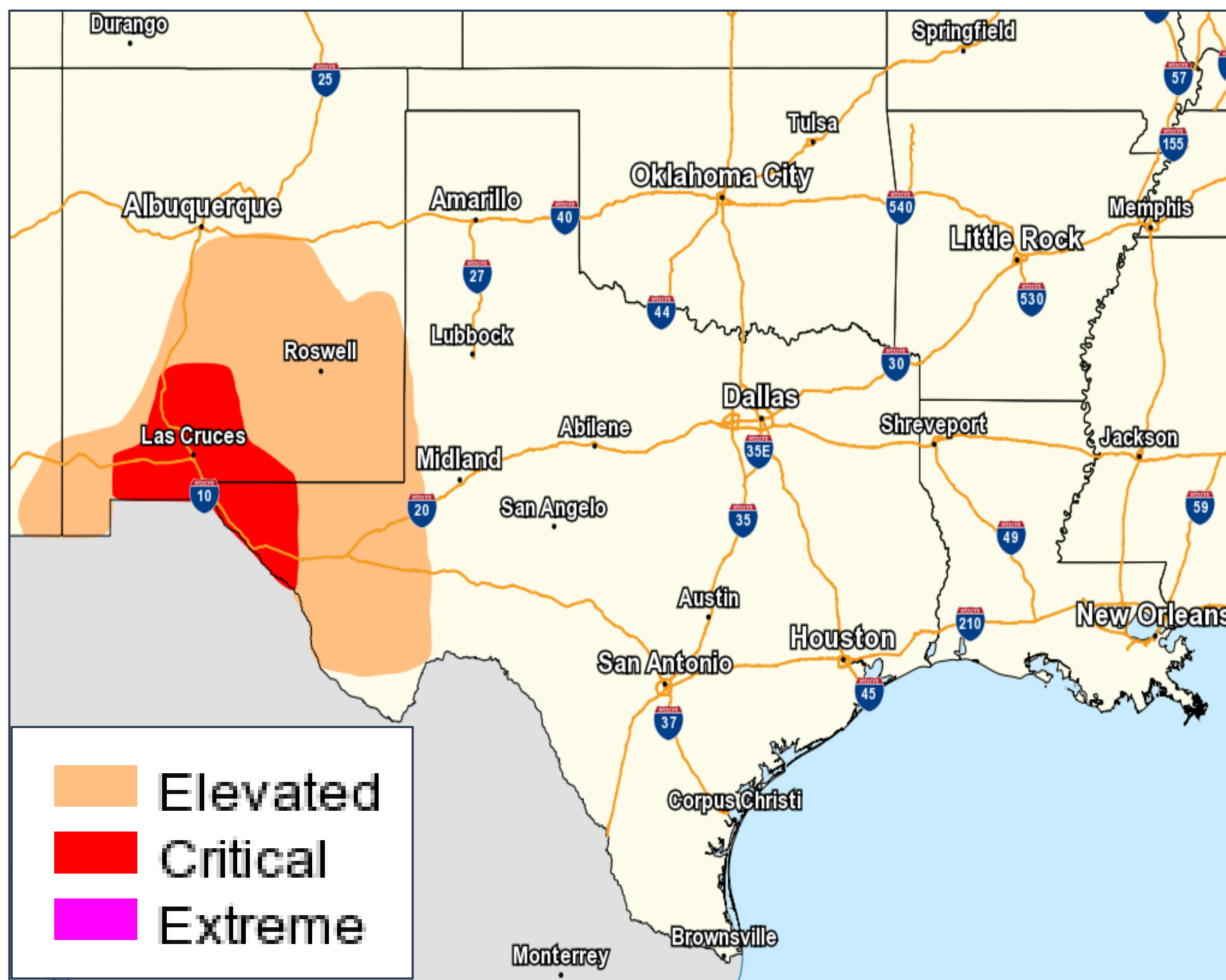


Fire Weather Outlooks

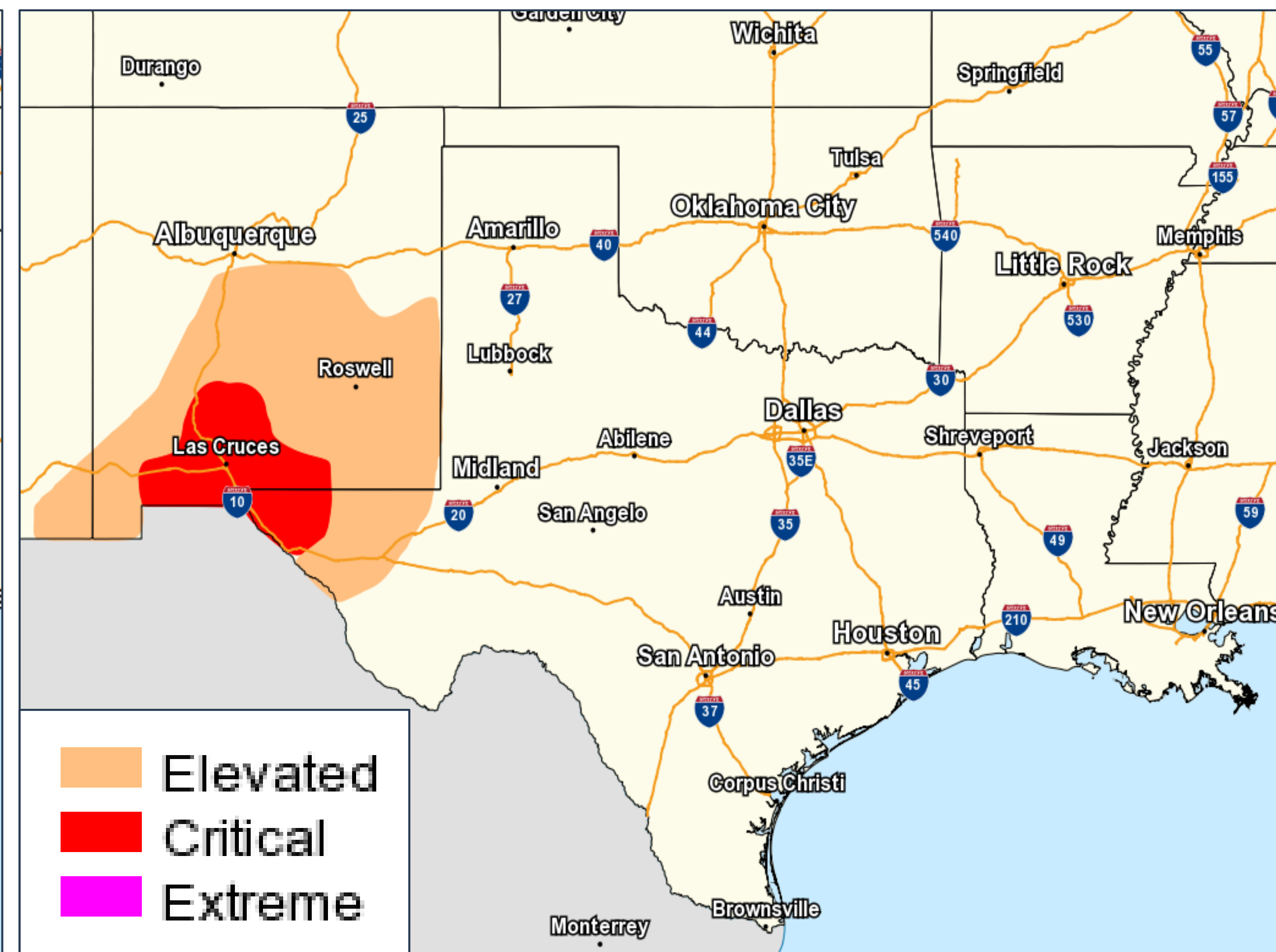


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Today's Fire Weather Outlook



Tomorrow's Fire Weather Outlook

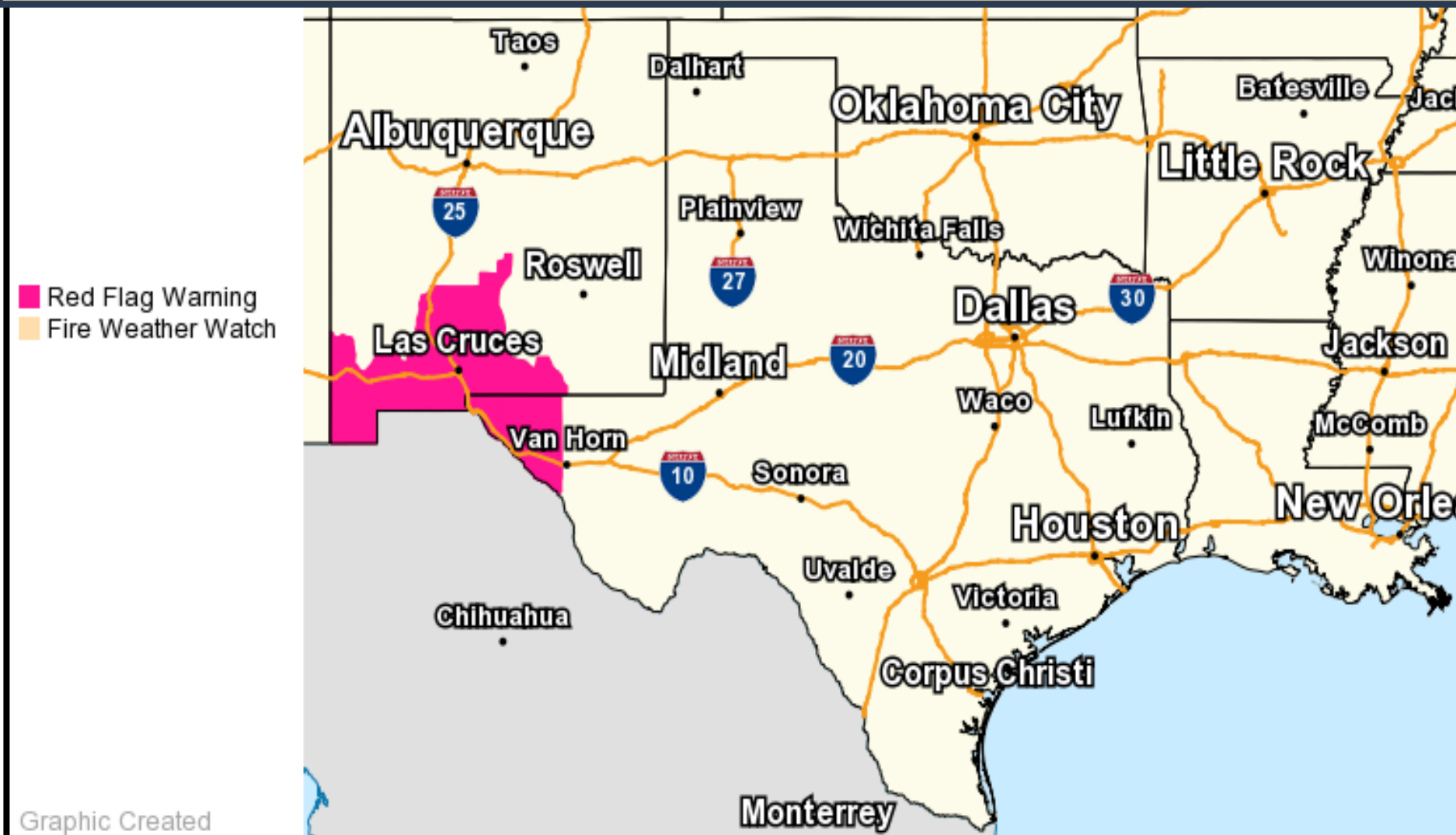


Watches, Warnings, and Advisories



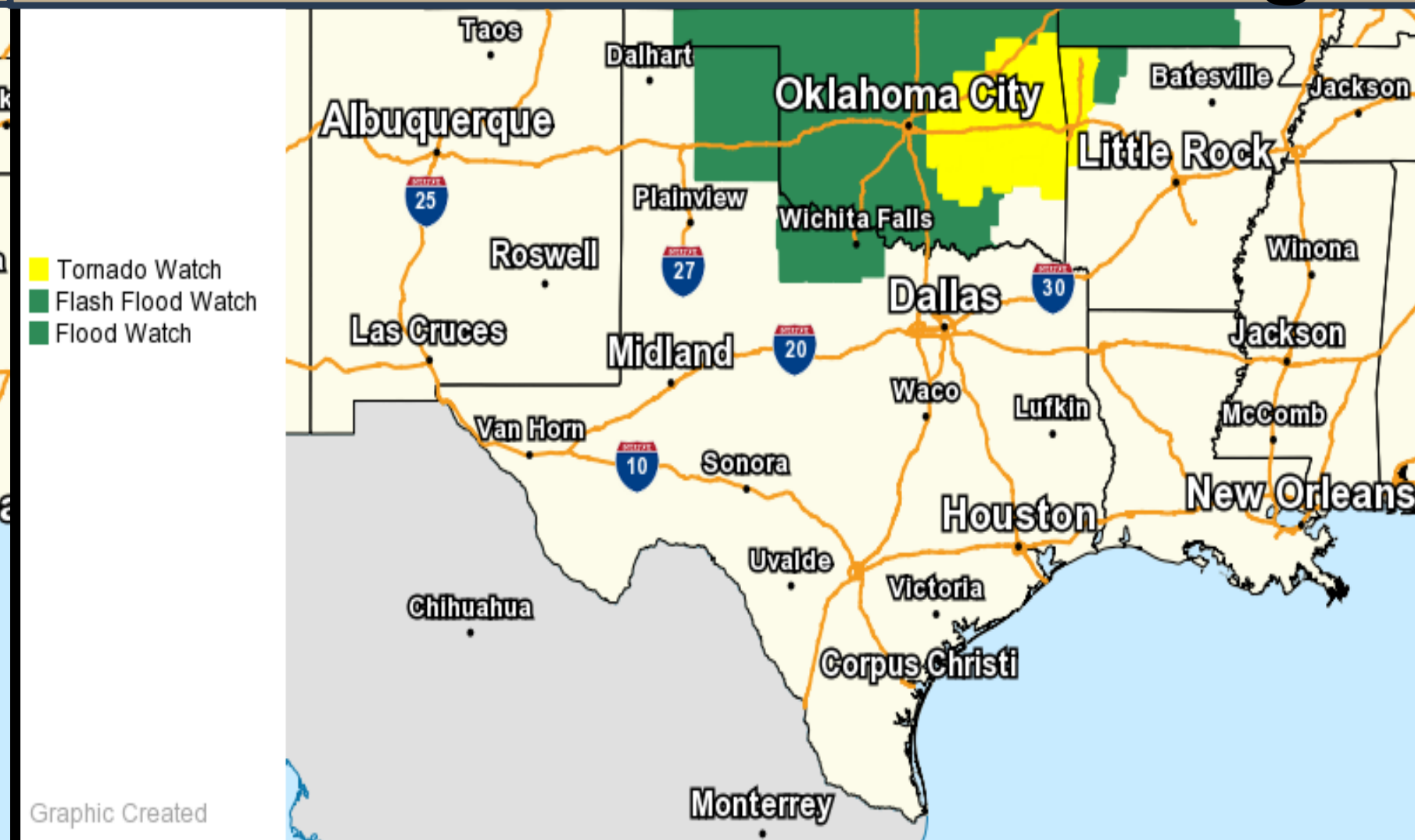
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Fire Weather



Graphic Created

Severe Weather & Flooding



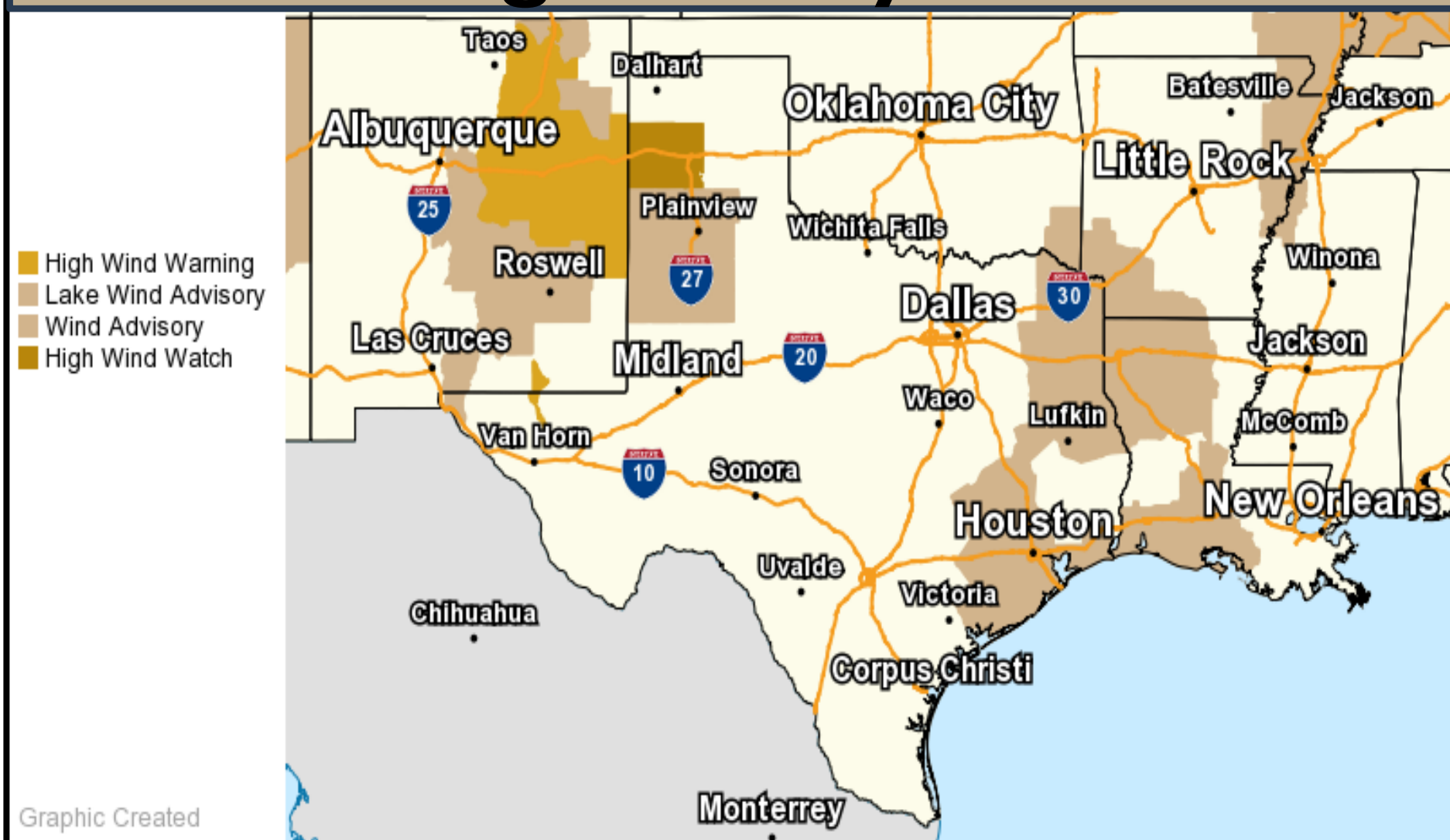
Graphic Created

**Flash flood watch in effect
for most of OK.**

**Tornado watch in effect for
E OK/NW AR.**

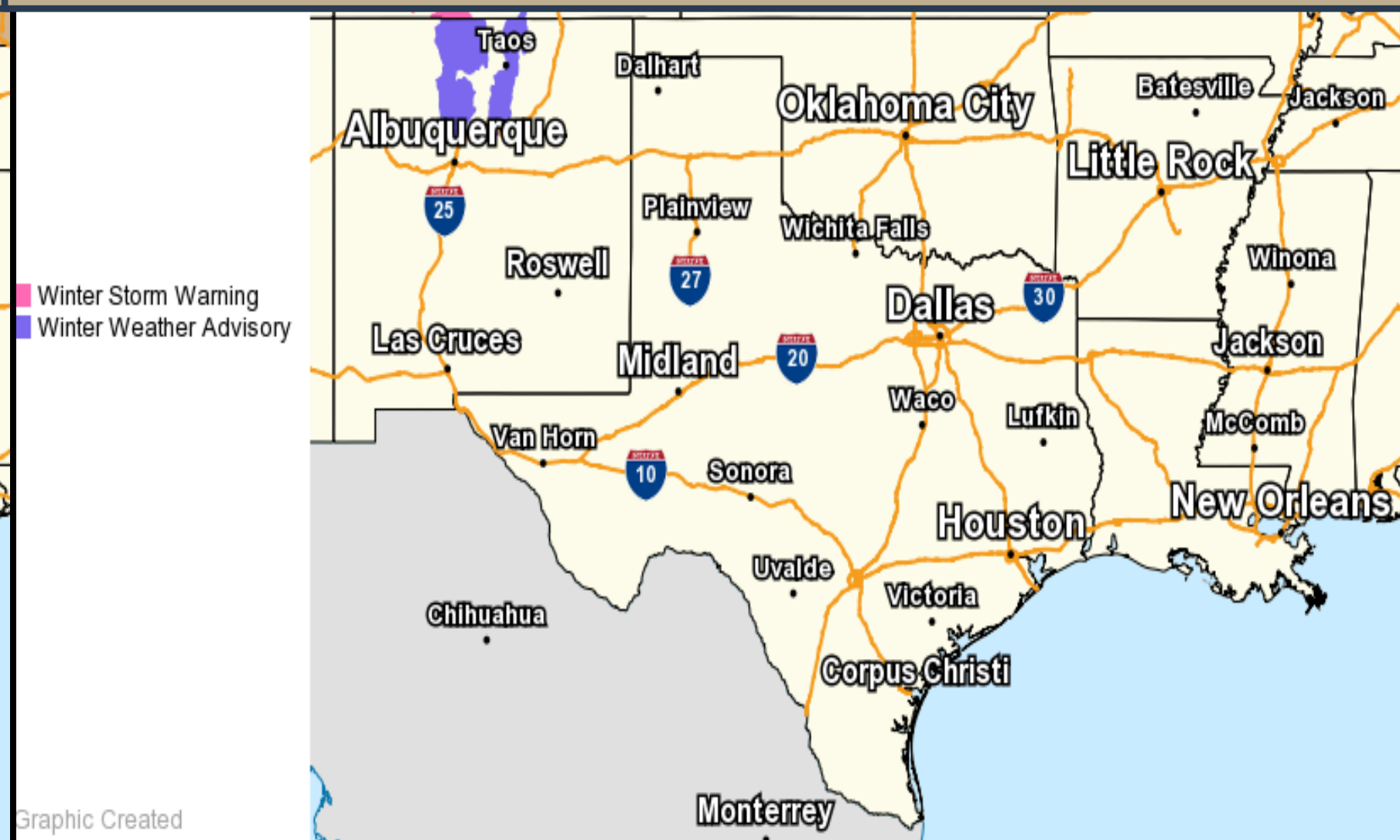
**Red flag warning over S
NM/W TX**

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather



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Forecast Chart

Forecast Rainfall

Isolated strong to severe
thunderstorms possible over
**TX/OK Panhandles and W
OK.**

Isolated heavy rainfall/flash
flooding possible over **NE
OK.**

Severe Weather Outlook

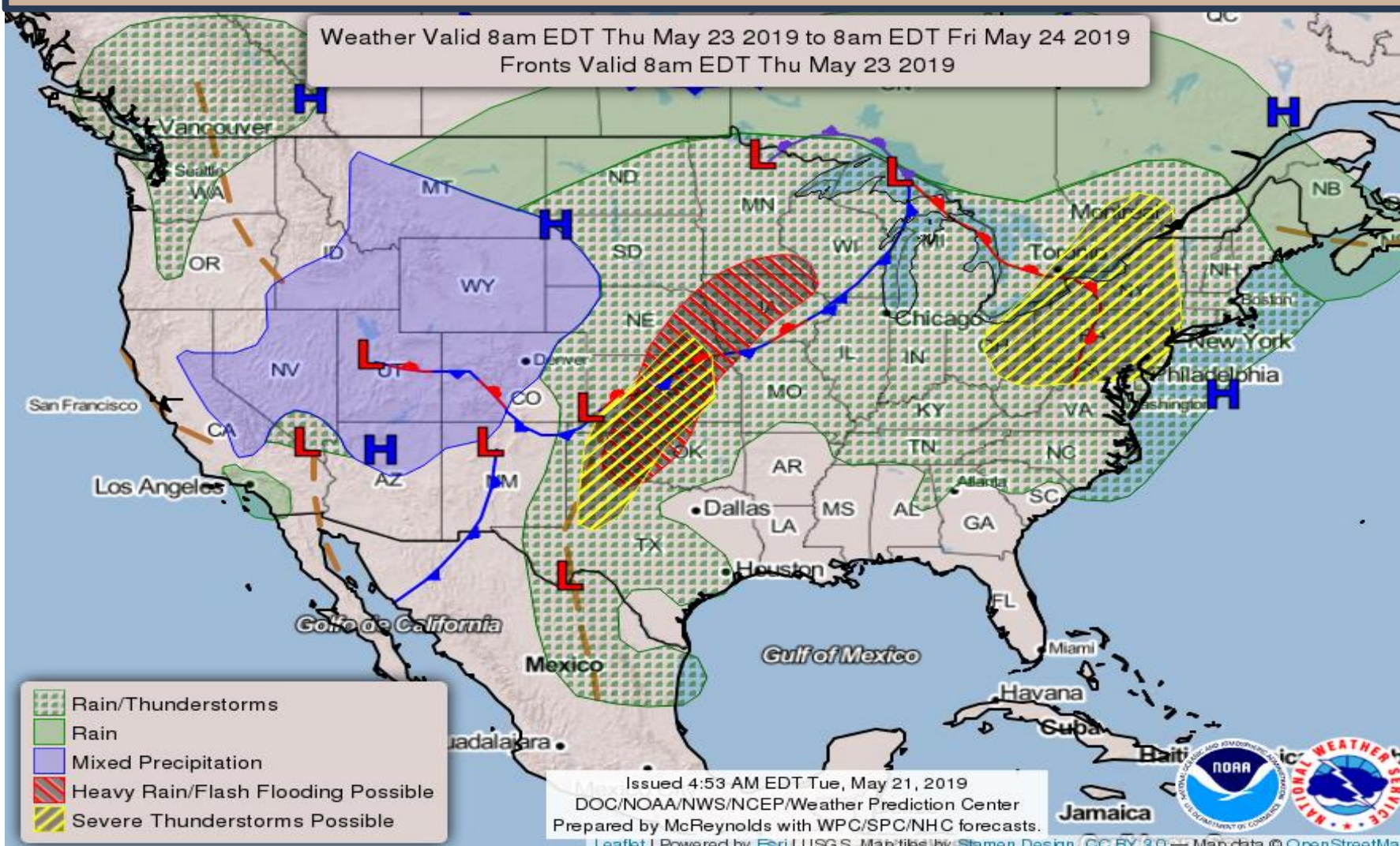
Excessive Rainfall Outlook

Thursday's Weather

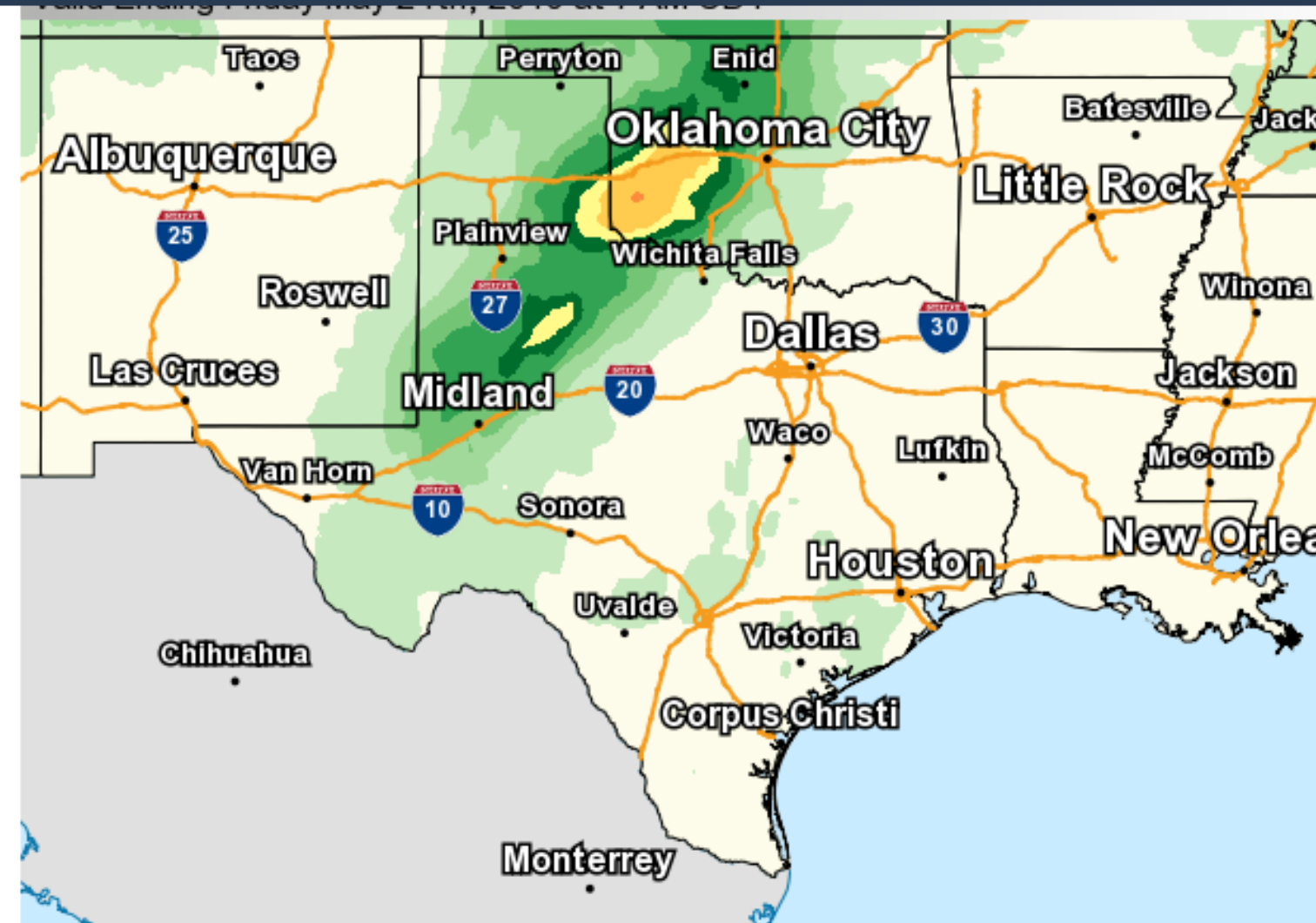
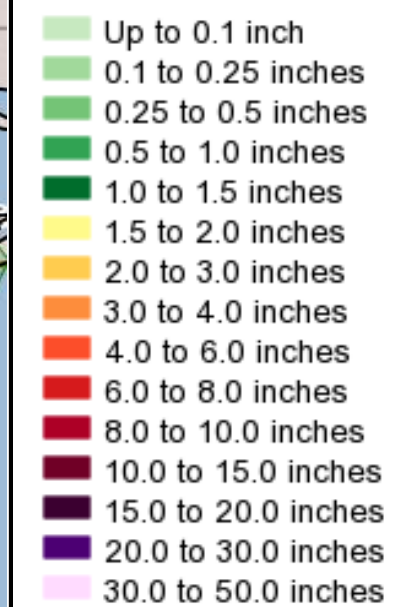


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Forecast Chart



Forecast Rainfall

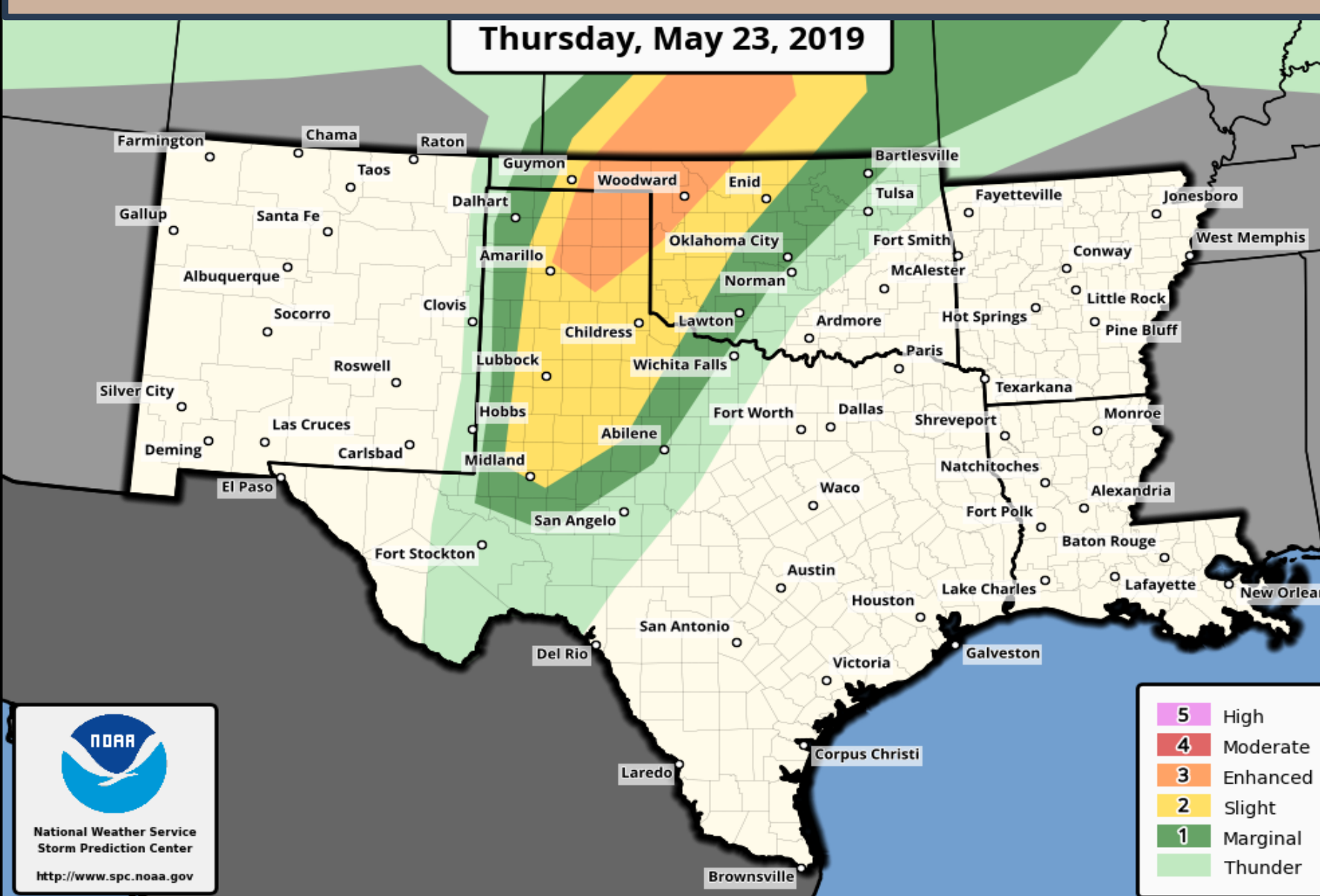


Graphic Created
May 21st, 2019

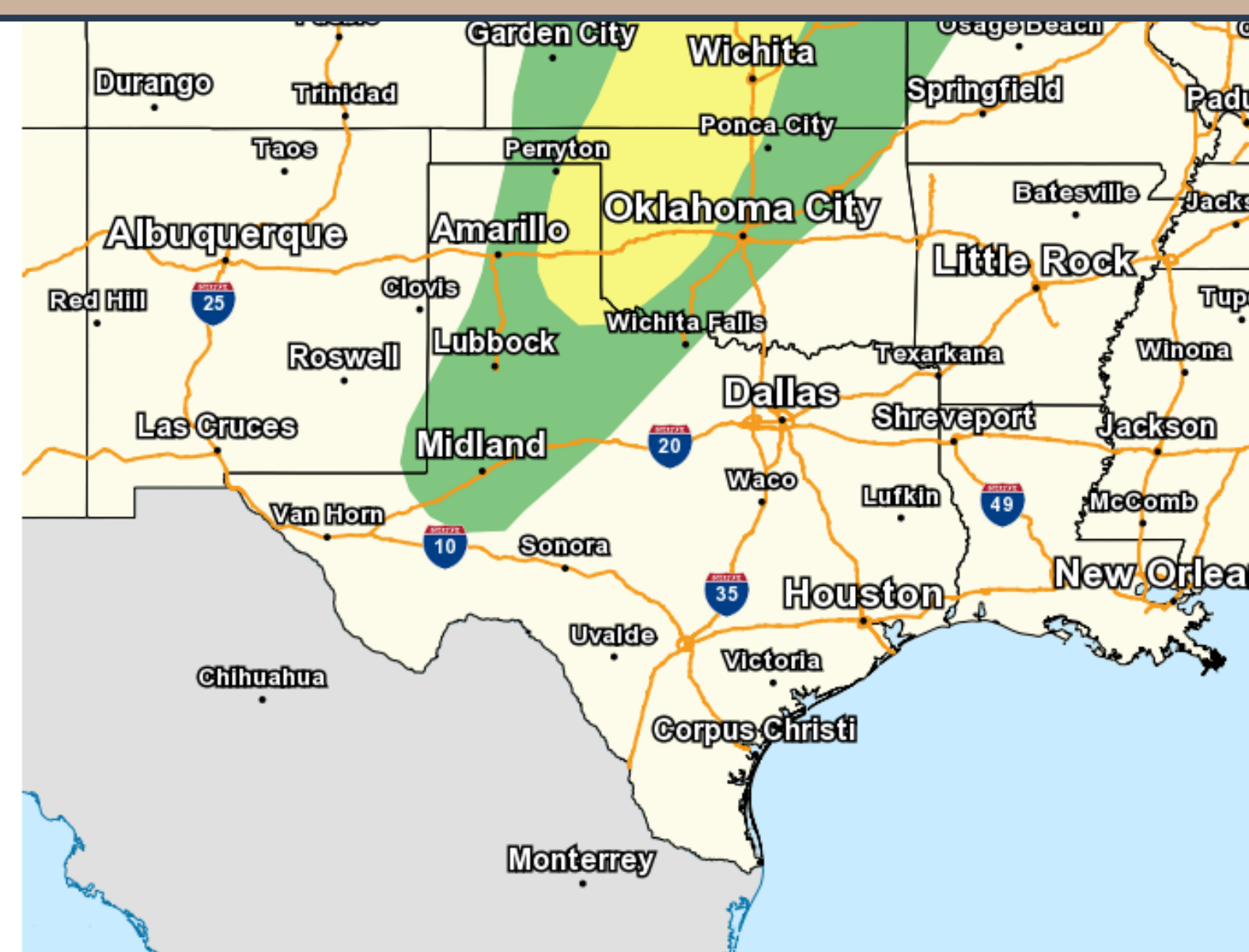
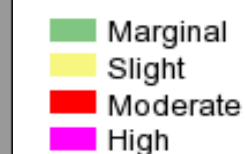
**Severe thunderstorms
across TX/OK Panhandles
into NW OK.**

**Heavy rainfall/flash flooding
possible over NE TX
Panhandle and W OK.**

Severe Weather Outlook



Excessive Rainfall Outlook

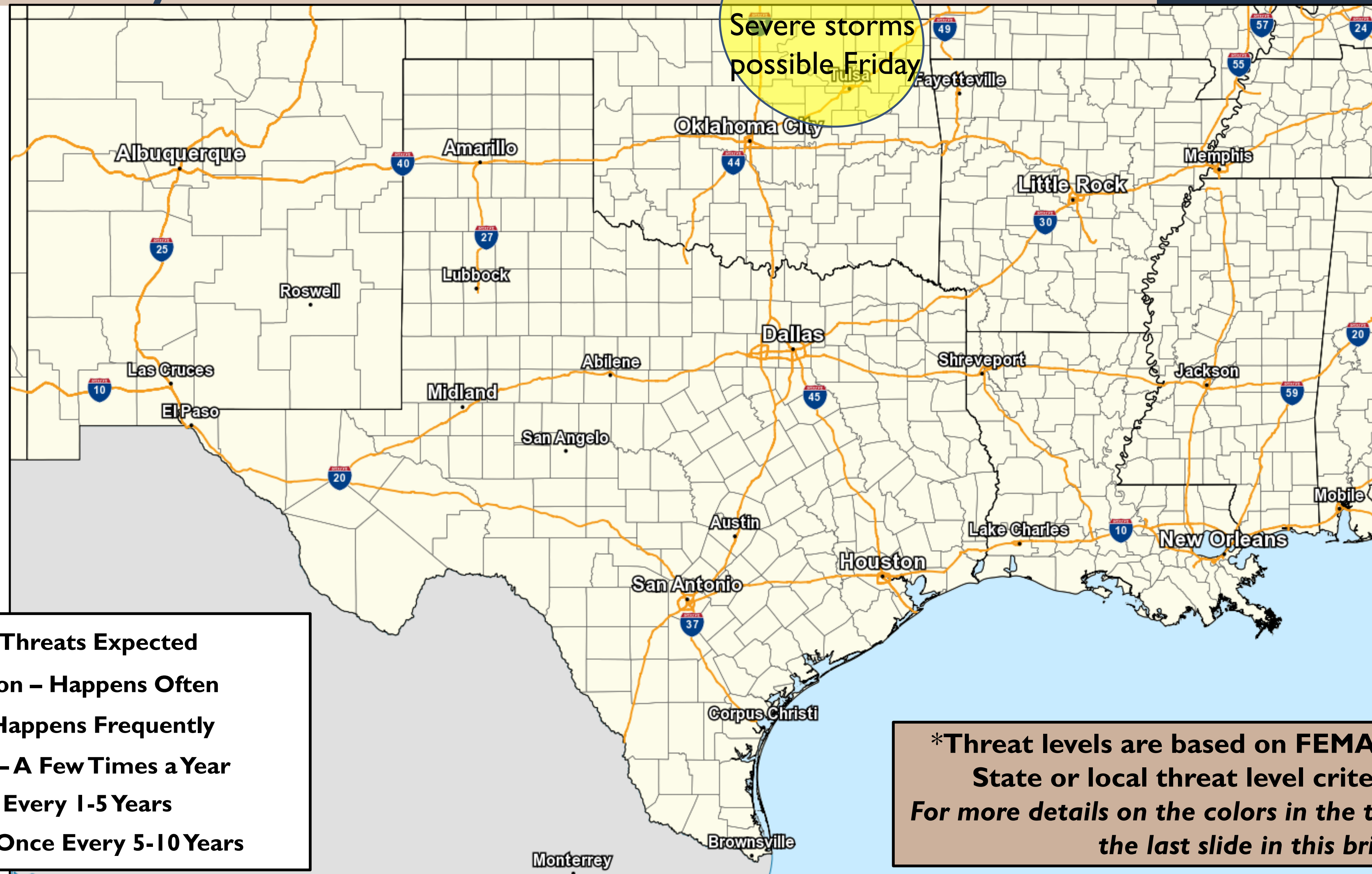


Days 4-5 Weather Hazards

Friday-Saturday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

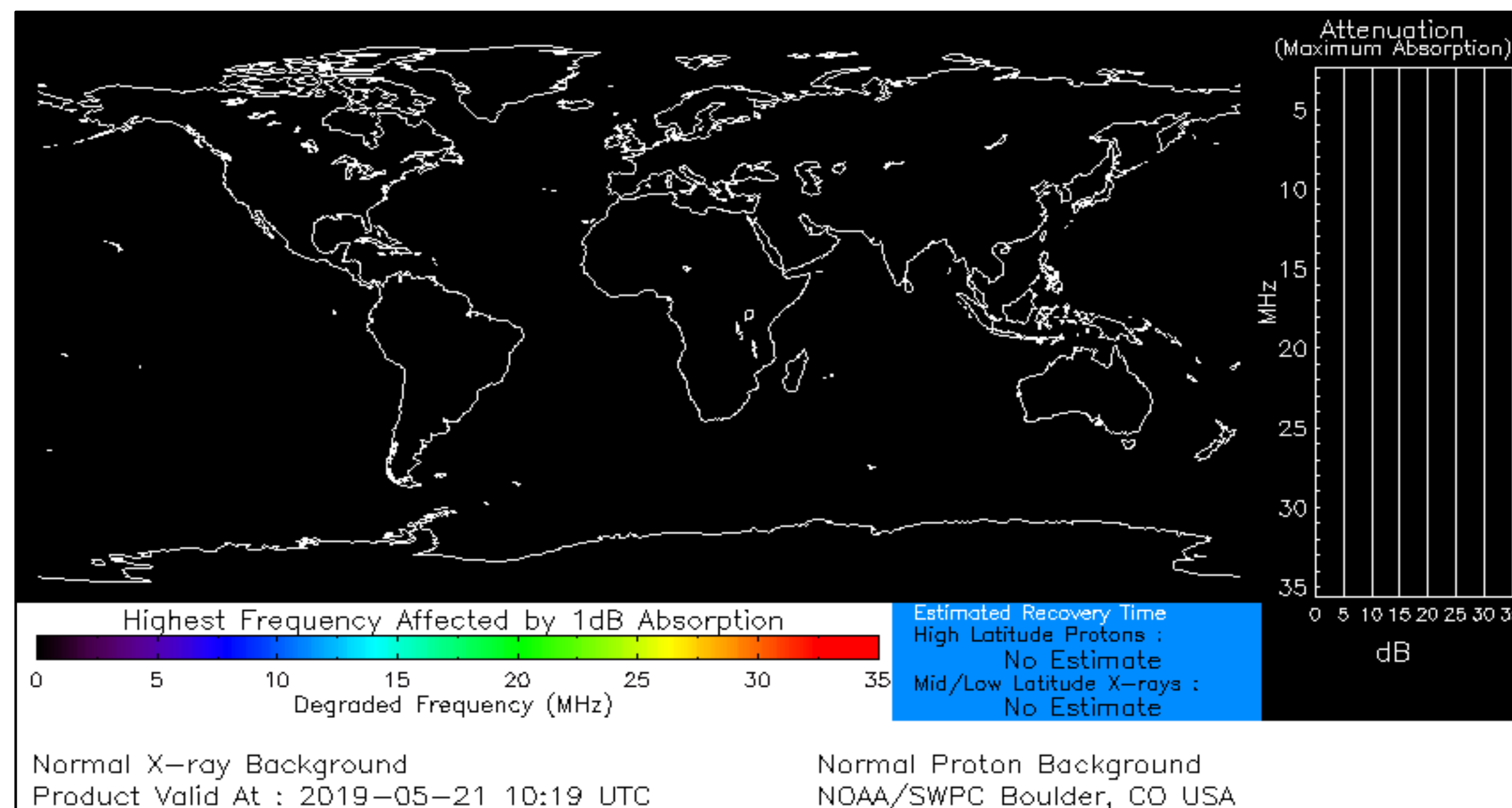
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Space Weather 3-Day Forecast



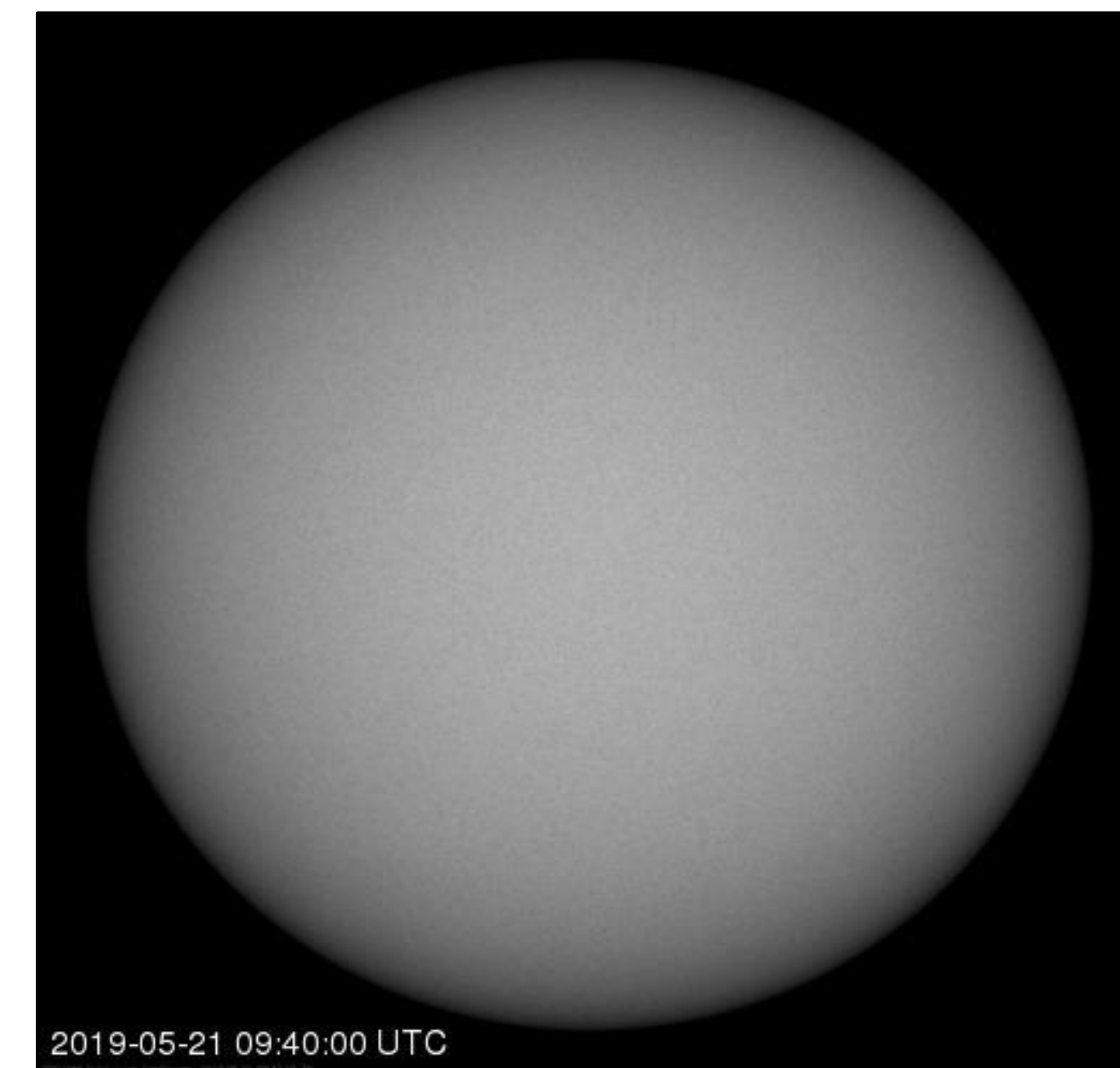
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	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov